



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

CHARACTERISTICS

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Nickel
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered without Souriau contacts
- Temperature Range : -65°C to +200°C
- Salt Spray : 48 hours
- Mass : 44.16 g ± 10%

Connector dimension	
Dim	Nominal
A	52.4±0.3
B	36.5+0.1/-0.15
R	32.5Max
S	49.2±0.4
W	3+0.9/-0.1
VV THREAD	M31x1-6g

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Country	Jurisdiction & Control List
FR	Not Listed

PN: 8D721F75PBL

A	08-11-2016	First Release	
ISS	DATE	Latest modification - by	MOD N°
Designed By:		Date:	CUSTOMER DRAWING
TITLE	Aluminium Receptacle 8D series		
SCALE	NA	General linear Tolerances: ±--	NPRDS / PROJECT 859
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FORMAT	A3		SOURIAU DRG N° 8D721F75PBL-C
			SHEET 1/2

BASIC SERIES:	8D	7	-	21	F	75	P	B	L	Delivered W/O Contacts
SHELL TYPE :	Jam nut Receptacle									ORIENTATION : B
CONTACT TYPE :	Standard Crimp Contact									CONTACT TYPE : PIN(500 Matings)
SHELL SIZE :	21									CONTACT LAYOUT : 21-75
PLATING :	F = Nickel									

Contact Layout



(Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 21-76.)

Contacts (Insert arrangement 21-75)		
Contact position ID	Location	
	X axis	Y axis
A	+180 (4.57)	+180 (4.57)
B	+180 (4.57)	-180 (4.57)
C	-180 (4.57)	-180 (4.57)
D	-180 (4.57)	+180 (4.57)

Shell size	Arrangement no.	Number of contacts	Size contacts	Service rating	Contact location	Standard contact	
						Pin	Socket
21	-75	4	8 (see note)	Twinax	All	M39029/90-529	M39029/91-530

Panel cutout

JAM NUT RECEPTACLE (TYPE 7)



Max. thickness panel for receptacle: Type 7: 3.2 mm

Dim	Nominal
B	37.08+0/-0.25
ØC	38.35+0.25/-0

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TITLE	Aluminium Receptacle 8D series		
SCALE		General linear Tolerances:	NPRDS / PROJECT
NA		±--	859
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FORMAT	SOURIAU DRG N° 8D721F75PBL-C		SHEET 2/2